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APPLICATION N	0.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/091,914		03/06/2002	Yasuteru Takahama	02138/LH	9197
1933	7590	05/13/2004		EXAMINER	
	-	OLTZ, GOODMAI	NGUYEN, THONG Q		
767 THIR 25TH FLO		ENUE	-	ART UNIT	PAPER NUMBER
NEW YORK, NY 10017-2023				2872	
				DATE MAILED: 05/13/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
	Office Action Comments	10/091,914	TAKAHAMA, YASUTERU				
	Office Action Summary	Examiner	Art Unit				
		Thong Q Nguyen	2872				
Period fo	The MAILING DATE of this communication apports. The ply	pears on the cover sheet with the c	orrespondence address				
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a repl period for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailined patent term adjustment. See 37 CFR 1.704(b).	I36(a). In no event, however, may a reply be timely within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a, cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status							
1)⊠	Responsive to communication(s) filed on 20 F	ebruary 2004.					
2a)⊠	This action is FINAL . 2b) This	s action is non-final.					
3)	Since this application is in condition for allowa	· ·					
	osed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4) 🖂	Claim(s) 1-4,7,10 and 13 is/are pending in the	application.					
	4a) Of the above claim(s) is/are withdra	wn from consideration.					
•	Claim(s) is/are allowed.						
	Claim(s) <u>1-4, 7, 10 and 13</u> is/are rejected.						
7)	•						
8)	Claim(s) are subject to restriction and/o	or election requirement.					
Applicati	ion Papers		•				
9)	The specification is objected to by the Examine	er.					
10)	☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)	The oath or declaration is objected to by the Ex	xaminer. Note the attached Office	Action or form PTO-152.				
Priority ι	under 35 U.S.C. § 119						
	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the pr	ts have been received. ts have been received in Applicati	on No				
	 Copies of the certified copies of the prio application from the International Burea 		ed III tills National Stage				
* See the attached detailed Office action for a list of the certified copies not received.							
		·					
Attachmen	t(s)	_					
	e of References Cited (PTO-892)	4) Interview Summary					
3) 🔯 Infori	e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	· 🚗	ate Patent Application (PTO-152)				
	r No(s)/Mail Date <u>2/20/2004</u> .	6)					

DETAILED ACTION

Response to Amendment

1. The present Office action is made in response to the amendment filed on 2/20/2004. It is noted that in the mentioned amendment, applicant has amended the specification and the claims. Regarding to the claims, applicant has amended claims 1-4, 7, 10 and 13 and canceled claims 5-6, 8-9, 11-12 and 14-15. As a result, the pending claims 1-4, 7, 10 and 13 are examined in this Office action.

Specification

2. The lengthy specification which is amended by the amendment of 2/20/2004 has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Rejections - 35 USC § 112

- 3. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 4. Claim 10 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 10 is indefinite because the feature "the optical element" (line 2) lacks a proper antecedent basis. Applicant should note that the base claims 1 and 2 have not provided a proper antecedent basis for the mentioned feature. It is also noted that the mentioned rejection to the claim was made in the previous Office

action (see Paper No. 6, page 3, element 7©); however, applicant has not made any amendment(s)/argument(s) to overcome the rejection.

Claim Rejections - 35 USC § 103

- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 6. Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Uchida et al in view of Meyer et al (both of record).

Application/Control Number: 10/091,914

Art Unit: 2872

element (42) which is in combination with the lens element (13) located inside the base of the microscope for forming a relay lens system.

Regarding to the feature related to the microscope main body having two portions into which at least two additional units are insertable as recited in the newly-added material to the claim 1, it is noted that such a structure is disclosed by Uchida et al as can be seen in the description provided in column 6, lines 32-46 and shown in figure 3. In particular, Uchida et al disclose that the main body of the microscope comprises space between the revolver supporting plural objectives and image forming optics wherein two additional units, i.e., an illuminating system for fluorescent illumination and a laser manipulation device.

As a result, the only feature missing from the art of Uchida et al is that it does not explicitly state that the additional system is removably attached to the main body of the microscope wherein the system comprises an optical element for splitting a part of the light beam to an image pickup device.

However, the use of an observation system having at least one lens of a relay lens system and a splitting element for splitting a part of light to an image pickup device wherein the observation system is able to removable attach to the main body of a microscope is known to one skilled in the art as can be seen in the microscope provided by Meyer et al. See columns 4-5 and figs. 1-2 and 6-7, for instance. Thus, it would have been obvious to one skilled in the art at the time the invention was made to modify the microscope provided by Uchida et al by using an observation system having at least one tube for supporting a part of

relay lens system and a splitting element as suggested by Meyer et al for the purpose of providing a means for guiding the image of a sample to a pickup device.

7. Claims 7, 10 and 13, as best as understood, are rejected under 35 U.S.C. 103(a) as being unpatentable over Uchida et al in view of Meyer et al as applied to claims 1-2 above, and further in view of Meyer et al (U.S. Patent No. 4,210,384).

The combined product provided by Uchida et al and Meyer et al as described above does not disclose the use of an optical element in the form of a reflecting element which is selected from a rotated reflecting element for varying the angle of the light reflected therefor as recited in present claim 10 or a combination of a reflecting element for reflecting light from the objective lens system in a horizontal direction and a reflecting element for reflecting light from the objective lens in an upward or oblique direction as claimed in pending claims 7 and 13. However, the use of a rotating reflecting element or a reflecting element from a combination of two mirrors as recited in the present claims is merely that of a preferred embodiment and no criticality ahs been disclosed. The support for that conclusion is found in the manner in which the additional unit is attached to the main body of the microscope. In other words, if the additional unit is attached to the main body of the microscope to receive light in a horizontal direction then the optical element is arranged to direct its reflected light in a horizontal direction and if the additional unit is attached to the main body of the microscope to receive light in an upward/oblique direction then the optical element is arranged to direct

its reflected light in an upward/oblique direction. In such an opinion then the use of a rotating optical element for changing the direction of light reflected therefor is disclosed in the art as can be seen in the microscope provided by Meyer et al '384. For instance, in column 3 and figs. 3 and 4, Meyer et al suggest the use of a mechanism having mirror and a knob for rotating the orientation of the mirror for the purpose of changing the light direction reflected therefor to different locations in which different receivers are located. Regarding to the use of a mirror selected from a combination of two mirrors in which one is used for reflecting light in a horizontal direction and the other one is used for reflecting light in an oblique direction, such use is considered as an obvious matter within the level of one skilled in the art based on the space and the manufacture cost when the function of use a rotating mirror or a mirror selected from the combination is the same. Thus, it would have been obvious to one skilled in the art at the time the invention was made to modify the combined product provided by Uchida et al and Meyer et al by using a rotating mirror as suggested by Meyer et al '384 or using a mirror selected from a combination having one is used for reflecting light in a horizontal direction and the other one is used for reflecting light in an oblique direction for the purpose of changing the direction of light from an objective to different receivers located in different locations.

Response to Arguments

8. Applicant's amendments and arguments as provided in the amendment filed on 2/20/2004 has been entered and has resulted as follow:

A) The amendments to the claims 1-4, 7, 10 and 13 are sufficient to overcome the rejection of claims under 35 USC 112, second paragraph except the claim 10 which claim is still subjected to a rejection under 35 USC 112, second paragraph for the reason set forth in this Office action.

- B) The cancellation of claims 5-6, 8, 11 and 14 are sufficient to over come the objections of the claims under 37 CFR 1.75.
- C) Regarding to the rejection of the claims under 35 USC 103(a) over the art of record, it is noted that the amendments to the claims and applicant's arguments with respect to pending claims 1-4, 7, 10 and 13 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

- 9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- 10. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thong Q Nguyen whose telephone number is (571) 272-2316. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Drew A Dunn can be reached on (571) 272-2312. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thong © Nguyen Primary Examiner Art Unit 2872
